

WHAT IS CLAIMED IS:

- 1 1. A method comprising:
 - 2 receiving data from a source device for a destination
 - 3 device;
 - 4 receiving an interrupt request from the source device
 - 5 for the destination device; and
 - 6 forwarding the interrupt request to the destination
 - 7 device in response to completing a transfer of the
 - 8 data from the source device to the destination device.
- 1 2. The method of Claim 1, further comprising storing the
- 2 data in a data queue after the receiving the data.
- 1 3. The method of Claim 2, further comprising determining and
- 2 storing in the data queue a device ID of the source
- 3 device and an address of the destination device.
- 1 4. The method of Claim 2, further comprising transferring
- 2 the data from the data queue to the destination device in
- 3 a first-in-first-out priority and in response to a path
- 4 to the destination device being available.
- 1 5. The method of Claim 1, further comprising storing the
- 2 interrupt request in an interrupt queue after the
- 3 receiving the interrupt request.
- 1 6. The method of Claim 5, further comprising determining and
- 2 storing in the interrupt queue a device ID of the source
- 3 device and an address of the destination device.

1 7. The method of Claim 5, further comprising transferring
2 the interrupt from the interrupt queue to the destination
3 device in a first-in-first-out priority.

1 8. An apparatus comprising:
2 a control unit adapted to:
3 receive data from a source device for a destination
4 device,
5 receive an interrupt request from the source device
6 for the destination device, and
7 forward the interrupt request to the destination
8 device in response to completing a transfer of the
9 data from the source device to the destination
10 device.

1 9. The apparatus of Claim 8, the control unit further
2 adapted to store the data in a data queue after receiving
3 the data.

1 10. The apparatus of Claim 9, the control unit further
2 adapted to determine and store in the data queue a device
3 ID of the source device and an address of the destination
4 device.

1 11. The apparatus of Claim 9, the control unit further
2 adapted to transfer the data from the data queue to the
3 destination device in a first-in-first-out priority and
4 in response to a path to the destination device being
5 available.

1 12. The apparatus of Claim 8, the control unit further
2 adapted to store the interrupt request in an interrupt
3 queue after receiving the interrupt request.

1 13. The apparatus of Claim 12, the control unit further
2 adapted to determine and store in the interrupt queue a
3 device ID of the source device and an address of the
4 destination device.

1 14. The apparatus of Claim 12, the control unit further
2 adapted to transfer the interrupts from the interrupt
3 queue to the destination device in a first-in-first-out
4 priority.

1 15. A computer program product stored on a computer operable
2 media, the computer program product comprising software
3 code effective to:
4 receive data from a source device for a destination
5 device,
6 receive an interrupt request from the source device
7 for the destination device, and
8 forward the interrupt request to the destination
9 device in response to completing a transfer of the
10 data from the source device to the destination
11 device.

1 16. The computer program product of Claim 15, the software
2 code further effective to store the data in a data queue
3 after receiving the data.

1 17. The computer program product of Claim 16, the software
2 code further effective to determine and store in the data
3 queue a device ID of the source device and an address of
4 the destination device.

1 18. The computer program product of Claim 16, the software
2 code further effective to transfer the data from the data
3 queue to the destination device in a first-in-first-out
4 priority and in response to a path to the destination
5 device being available.

1 19. The computer program product of Claim 15, the software
2 code further effective to store the interrupt request in
3 an interrupt queue after receiving the interrupt request.

1 20. The computer program product of Claim 19, the software
2 code further effective to determine and store in the
3 interrupt queue a device ID of the source device and an
4 address of the destination device.

1 21. The computer program product of Claim 19, the software
2 code further effective to transfer the interrupt requests
3 from the interrupt queue to the destination device in a
4 first-in-first-out priority.
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